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PTO/SB/05 (03-01)

Approved for use through 10/31/2002. OMB 0651-0032

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UTILITY PATENT APPLICATION TRANSMITTAL <small>(Only for new nonprovisional applications under 37 C.F.R. 1.53(b))</small>		Attorney Docket No. 65015													
		First Inventor Chunying Du													
		Title Compositions and Methods for Cleaving IAP													
		Express Mail Label No. EV173933139US													
APPLICATION ELEMENTS <small>See MPEP chapter 600 concerning utility patent application contents.</small>		ADDRESS TO: Assistant Commissioner for Patents Box Patent Application Washington, DC 20231													
<div style="display: flex; flex-wrap: wrap;"><div style="width: 50%;"><p>1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17) <small>(Submit an original and a duplicate for fee processing)</small></p><p>2. <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.</p><p>3. <input checked="" type="checkbox"/> Specification [Total Pages 96] <small>(preferred arrangement set forth below)</small> - Descriptive title of the Invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure</p><p>4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C.113) [Total Sheets 25]</p><p>5. Oath or Declaration [Total Pages 2] a. <input checked="" type="checkbox"/> Newly executed (original or copy) b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63 (d)) <small>(for a continuation/divisional with Box 18 completed)</small> i. <input type="checkbox"/> DELETION OF INVENTOR(S) <small>Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).</small></p><p>6. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76</p></div><div style="width: 50%;"><p>7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)</p><p>8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. <input checked="" type="checkbox"/> Computer Readable Form (CRF) b. Specification Sequence Listing on: i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or ii. <input checked="" type="checkbox"/> paper c. <input checked="" type="checkbox"/> Statements verifying identity of above copies</p></div></div>		ACCOMPANYING APPLICATIONS PARTS													
		<p>9. <input checked="" type="checkbox"/> Assignment Papers (cover sheet & document(s))</p> <p>10. <input type="checkbox"/> 37 C.F.R. §3.73(b) Statement <input type="checkbox"/> Power of Attorney <small>(when there is an assignee)</small></p> <p>11. <input type="checkbox"/> English Translation Document (if applicable)</p> <p>12. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations</p> <p>13. <input type="checkbox"/> Preliminary Amendment</p> <p>14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) <small>(Should be specifically itemized)</small></p> <p>15. <input type="checkbox"/> Certified Copy of Priority Document(s) <small>(if foreign priority is claimed)</small></p> <p>16. <input type="checkbox"/> Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.</p> <p>17. <input checked="" type="checkbox"/> Other: <u>Transmittal; (1) Disc in Computer-Readable Form (CRF) - containing Sequence Listing; and Certificate of Mailing by Express Mail</u></p>													
<p>18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:</p> <div style="display: flex; justify-content: space-between;"><div><input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP)</div><div>of prior application No: _____ /</div></div> <p>Prior application information: Examiner _____ Group / Art Unit: _____</p> <p>For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying or divisional application and is hereby incorporated by reference. The incorporation <u>can only</u> be relied upon when a portion has been inadvertently omitted from the submitted application parts.</p>															
19. CORRESPONDENCE ADDRESS															
<input checked="" type="checkbox"/> Customer Number or Bar Code Label		27148	or <input type="checkbox"/> Correspondence address below												
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<table border="1" style="width: 100%; border-collapse: collapse;"><tr><td colspan="2" style="height: 20px;">Name</td></tr><tr><td colspan="2" style="height: 20px;">Address</td></tr><tr><td style="width: 30%;">City</td><td style="width: 30%;">State</td><td style="width: 20%;">Zip Code</td><td style="width: 20%;"></td></tr><tr><td>Country</td><td>Telephone</td><td>Fax</td><td></td></tr></table>				Name		Address		City	State	Zip Code		Country	Telephone	Fax	
Name															
Address															
City	State	Zip Code													
Country	Telephone	Fax													
Name (Print/Type) Patrick C. Woolley		Registration No. (Attorney/Agent) 39,078													
Signature		Date 12.8.03													

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**FEE TRANSMITTAL
for FY 2004**

Effective 10/01/2003. Patent fees are subject to annual revision.

☒ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT** (\$) 2397**Complete if Known**

Application Number	
Filing Date	
First Named Inventor	Chunying Du
Examiner Name	
Art Unit	
Attorney Docket No.	65015

METHOD OF PAYMENT (check all that apply)☒ Check ☐ Credit card ☐ Money ☐ Other ☐ None
Order☒ Deposit Account:Deposit
Account
Number 50-1662Deposit
Account
Name Polsinelli Shalton & Welte

The Director is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☒ Credit any overpayments
☒ Charge any additional fee(s) during the pendency of this application
☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.
FEE CALCULATION**1. BASIC FILING FEE**

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1001	770	2001	385	Utility filing fee	
1002	340	2002	170	Design filing fee	
1003	530	2003	265	Plant filing fee	
1004	770	2004	385	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	

SUBTOTAL (1)

(\$ 0)

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

	Total Claims	Extra Claims	Fee from below	Fee Paid
	86	-20 **	66	9
Independent Claims	44	-3 **	41	43
Multiple Dependent				0

Large Entity		Small Entity		Fee Description
Fee Code	Fee (\$)	Fee Code	Fee (\$)	
1202	18	2202	9	Claims in excess of 20
1201	86	2201	43	Independent claims in excess of 3
1203	290	2203	145	Multiple dependent claim, if not paid
1204	86	2204	43	** Reissue independent claims over original patent
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2)

(\$ 2357)

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	420	2252	210	Extension for reply within second month	
1253	950	2253	475	Extension for reply within third month	
1254	1,480	2254	740	Extension for reply within fourth month	
1255	2,010	2255	1,005	Extension for reply within fifth month	
1401	330	2401	165	Notice of Appeal	
1402	330	2402	165	Filing a brief in support of an appeal	
1403	290	2403	145	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,330	2453	665	Petition to revive - unintentional	
1501	1,330	2501	665	Utility issue fee (or reissue)	
1502	480	2502	240	Design issue fee	
1503	640	2503	320	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17 (q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	40
1809	770	2809	385	Filing a submission after final rejection (37 CFR § 1.129(a))	
1810	770	2810	385	For each additional invention to be examined (37 CFR § 1.129(b))	
1801	770	2801	385	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

(\$ 40)

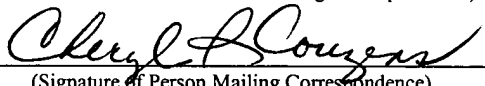
SUBMITTED BY**Complete (if applicable)**

Name (Print/Type)	Patrick C. Woolley	Registration No. (Attorney/Agent)	39,078	Telephone	816.360.4280
Signature		Date	12.8.03		

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing this form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)			Matter No.
Applicants: Chunying Du et al.			65015
Serial No.	Filing Date	Examiner	Group Art Unit
Not Yet Assigned	Filed Herewith	Not Yet Assigned	Not Yet Assigned
Invention: Compositions and Methods for Cleaving IAP			
<p>I hereby certify that a Transmittal (2 pages, in duplicate); a Utility Patent Application Transmittal (1 page); a Fee Transmittal FY 2004 (1 page, in duplicate); a Patent Application (with a 76 page specification, a 4 page Reference List, 15 pages of Claims (1-86); a 1 page Abstract; a Complete Set of Drawings (25 sheets, Figs. 1A - 8B); an 85 Page Sequence Listing; a 37 C.F.R. 1.821(f) Statement (1 page); a disc in computer readable form of the Sequence Listing only, labeled "Sequence Listing-CRF", a Declaration for Utility or Design Patent Application (2 pages); a Recordation Form Cover Sheet (1 page); an Assignment of Application (2 pages); Check No. 282478, in the amount of \$2,357.00 for filing and petition fees; Check No. 282477 in the amount of \$40.00 for recordation fees); a Certificate of Mailing by Express Mail (1 page); and a stamped, pre-addressed postcard are being mailed by U.S. Postal Service Express Mail to Addressee, to Mail Stop: Patent Application, Commissioner for Patents, P.O. Box 1450, Arlington, VA 22313-1450, this 8th day of December, 2003.</p> <p style="text-align: center;"> <u>Cheryl R. Couzens</u> (Typed or Printed Name of Person Mailing Correspondence) </p> <p style="text-align: center;">  (Signature of Person Mailing Correspondence) </p> <p style="text-align: center;"> <u>EV173933139US</u> ("Express Mail" Mailing Label Number) </p>			

UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Chunying Du et al.	Group No. Not Yet Assigned
Serial No.: Not Yet Assigned	Examiner: Not Yet Assigned
Filing Date: Herewith	Confirmation No. Not Yet Assigned
For: Compositions and Methods for Cleaving IAP	

Mail Stop: Patent Applications
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL

Dear Sir:

Attached hereto and transmitted herewith are the following:

- ☒ A Utility Patent Application Transmittal
- ☒ A Fee Transmittal for FY 2004 (in duplicate)
- ☒ A Utility Patent Application
- ☒ Drawings (25 sheets)
- ☒ A 37 CFR 1.821(f) Statement
- ☒ (1) Disc in Computer-Readable Form (CRF) - containing Sequence Listing
- ☒ Declaration for Utility or Design Patent Application
- ☒ Recordation Form Cover Sheet
- ☒ Assignment of Application
- ☒ Check No. 282478 in the amount of \$2,357.00 (for filing and petition fees)
- ☒ Check No. 282477 in the amount of \$40.00 (recordation fee)
- ☒ A Certificate of Mailing by Express Mail
- ☒ A Stamped, Pre-Addressed Postcard

CERTIFICATE OF MAILING

I hereby certify that, on the date shown below, this correspondence is being

- ☒ deposited with the United States Postal Service in an envelope addressed to: Mail Stop: Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

MAILING

☐ 37 C.F.R. §1.8
as first class mail.

☒ 37 C.F.R. §1.10
as "Express Mail Post Office to Addressee"
EXPRESS MAIL NO. EV173933139US

FACSIMILE TRANSMISSION

- ☐ transmitted by facsimile to the Patent and Trademark Office.

Cheryl R. Couzens
Name of Depositor



Signature

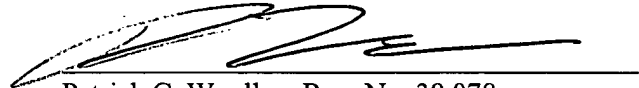
12.8.03
Date

PATENT
Atty Docket No. 65015
Express Mail Label No. EV173933139US

The Commissioner is authorized to charge any additional fees, which might be required, or credit any overpayment, to Deposit Account No. 50-1662. A duplicate copy of this transmittal is attached.

Respectfully submitted,

POLSINELLI SHALTON & WELTE, P.C.



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18538 / 65015
PCWOO 1057349